

AMENDMENTS TO THE CLAIMS

Applicants respectfully request the following amendments to the claim set:

1. (currently amended) A network system for managing information comprising:
 - a database store, in which information is stored and requested across the network system;
 - a plurality of clients, communicatively coupled to the database store, wherein at least one of the plurality of clients makes request of information from the database store;
 - information access control controlling the sharing of information requested by the at least one client by maintaining a list of those clients requesting the information and forwarding updates of the information as the updates occur to those clients on the list only, wherein the information access control includes a smart cache controller to manage information accessed by one or more clients simultaneously, and wherein the smart cache controller uses instantaneous, real time smart cache refreshing to instantaneously share and forward updates of the information as the updates occur to those clients on the list only based on registered interests of the clients in the information, and wherein the requested information is cached as a smart cache object and the smart cache object and a view thereof are asynchronously updated; and
 - further information access control controlling the sharing of information by removing from the list those clients no longer requesting the information and forwarding updates of the information as the updates occur to those clients remaining on the list only thereby conserving network system resources.

2. (previously presented) The network system according to claim 1 wherein the controller provides asynchronous caching updates to clients as the cached information is updated.

3. (previously presented) The network system according to claim 2 wherein the smart cache controller stores information within cache memory and provides caching updates to the client as the cached information is updated.

4. (previously presented) The network system according to claim 2 wherein the information access control caches information requested for as long as the information is required and removes the information from cache when no longer needed by the client.

5. (original) The network system according to claim 1 wherein the client indicates to the information access control to remove the client from the list, thereby ending information updates to that client.

6. (original) The network system according to claim 1 wherein the client is identified by location.

7. (original) The network system according to claim 1 wherein the information access controller writes the changed information on the database store.

8. (currently amended) A method of managing information across a client/server system comprising:

storing information on a database store managed by a server;
requesting information on the client/server system by at least one client;
granting the requested information to the requesting client;
preparing a list of clients requesting the information;
providing updates of the requested information only to those clients listed as the updates occur; and

providing a smart cache controller to manage information accessed by one or more clients, wherein the smart cache controller uses instantaneous, real time smart cache refreshing to instantaneously share and forward updates of the information to those clients listed only, as the updates occur, based on registered interests of the clients in the information and wherein the requested information is cached as a smart cache object and the smart cache object and a view thereof are asynchronously updated; and

removing from the list those clients no longer requesting the information and forwarding updates of the information as the updates occur to those clients remaining on the list only thereby conserving client/server system resources.

9. (original) The method according to claim 8 further comprising the step of removing a client on the list based on the client's indication that the information is no longer needed.

10. (original) The method according to claim 8 further comprising the step of updating the information on the database store.

11. (original) The method according to claim 8 further comprising the step of storing the information client list on the server managing the requested information.

12. (original) The method according to claim 8 wherein the information requesting step and the information updating step are asynchronous with one another.

13. (previously presented) The method according to claim 8 wherein the updates are performed on a timed schedule, in a sequential manner, or according to a pre-selected schedule.

14. (previously presented) A method of managing information across a client/server system comprising:

storing information as data on a database store controlled in part by the server;

at a client side, generating a request for specific data stored on the database store;

caching the requested data as a smart cache object on the server side;

forwarding to the requesting client a view of the smart cache object;

providing an interface registration object to maintain a list of clients receiving a view of the smart cache object; and

asynchronously updating the smart cache object and the view thereof, using instantaneous, real time smart cache refreshing to instantaneously share and forward updates of the information as the updates occur to those clients on the list only based upon registered interests of the clients in the information contained in the interface registration object.

15. (canceled)

16. (previously presented) The method according to claim 14 further comprising the step of forwarding the updated view to each client maintained on the list.

17. (original) The method according to claim 14 further comprising the step of sending a request from a client to the server to remove the client from the list.

18. (original) The method according to claim 14 wherein the interface registration object utilizes a client location to identify a client on the list.

19. (original) The method according to claim 14 further comprising the step of sending update information of the data to the server maintaining the smart cache object.

20. (original) The method according to claim 14 wherein the client/server is maintained within a medical office facility.

21. (previously presented) A method of automatically organizing data and sharing data in response to a data request, comprising:

maintaining a database store of data;

submitting new data to the database store;

correlating the new data with data stored within the database store;

selecting data stored within the database store based on the correlation of the new data with the stored data;

storing the new data within the database store based on its correlation;

sharing the selected correlated data with the source submitting the new data; and

providing a smart cache controller to manage information accessed by one or more clients, wherein the smart cache controller uses instantaneous, real time smart cache refreshing to instantaneously share and forward updates of the information to the one or more clients, as the updates occur, based upon registered interests of the clients in the information.

22. (previously presented) The method according to claim 21 including the step of asynchronously caching the selected correlated data.

23. (original) The method according to claim 21 including the step of generating a list of each client receiving the selected correlated data.

24. (original) The method according to claim 23 updating the selected correlated data that has changed to each client on the list.

25. (original) The method according to claim 24 wherein the data updating is done asynchronously on the client/server.

26. (original) The method according to claim 21 wherein the data is related to healthcare provider information for medical and health care offices.

27. (new) The method according to claim 14 further comprising:
 caching the requested data as a smart cache object on the client side;
 creating a plurality of smart cache objects as necessary;
 maintaining the plurality of smart cache objects as necessary; and
 deleting the plurality of smart cache objects when the request for specific
data stored on the database store ceases.